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cont.

16. (New) The device of claim 15, wherein the at least one signal processor receives at least one quantity generated by the at least one controller.

17. (New) The device of claim 15, wherein the at least one signal processor receives at least one of a quantity generated by the at least one measuring system and at least another quantity derived from the at least one measuring system.

18. (New) The device of claim 15, wherein the at least one signal processor is operable for comparing a quantity characteristic of the error in the at least one measuring system with a limit value, and for generating an error signal indicating the error in the at least one measuring system as a function of the comparing.

19. (New) The device of claim 15, wherein the at least one signal processor receives a measure of a change in a synchronous generated voltage of the electric drive as a characteristic quantity for the error in the at least one measuring system.

20. (New) The device of claim 15, wherein a signal formed in at least one of a direct-axis current controller, a quadrature-axis current controller, and an integral component is sendable to the at least one signal processor as a quantity generated by the at least one controller.

21. (New) The device of claim 18, wherein the limit value depends on at least one line parameter that causes a system deviation in the at least one controller.

22. (New) The device of claim 15, wherein a measuring system model generates at least one expected estimate for the at least one measuring system for providing error detection in the measuring system.

23. (New) The device of claim 22, wherein a reversing switch relays an error signal of the at least one signal processor as a function of the at least one expected estimate.

24. (New) The device of claim 15, wherein the at least one signal processor is activatable as a function of at least one of a quantity generated by the at least one controller, and another quantity